

WisWAP Line Items: 1 to 4 Unit Measures

| Measure | General Policy | Code | Description | Unit of Measure | Housing Types | Neat Modeling |
|-------------------------------|---|-------------------------|---|-----------------|-------------------|--|
| Shell Measures | | | | | | |
| Air Sealing | Use Blower Door to guide sealing work, whenever possible. Use Zone Diagnostics where appropriate or required. Seal all major bypasses and key junctures. Follow the Weatherization Cost Effective Sealing Guidelines. | ABD | Air Sealing | | | |
| | | ABD005 | Comfort Sealing -Non Blower Door Guided | each | | Do not model air sealing with NEAT. Enter Pre & Post estimates |
| | | ABD007 | WCEG Guided Sealing | CFM50 Reduction | SFH,MHT,2TO4,AMUB | |
| | | ABD010 | Blower Door Setup | each | | |
| | | ABD015 | Non-Guideline Sealing | each | | |
| Attic and Kneewall Insulation | Insulate to R-50 if existing insulation is less than R-30. | DIA | Attic Insulation | | | |
| | | DIA005 | Blown Cellulose - Floored R11 | | | |
| | | DIA010 | Blown Cellulose - Floored R19 | | | |
| | | DIA015 | Blown Cellulose - Floored R30 | | | |
| | | DIA020 | Blown Cellulose - Floored R38 | | | |
| | | DIA025 | Blown Cellulose - Unfloored R11 | | | |
| | | DIA030 | Blown Cellulose - Unfloored R19 | | | |
| | | DIA035 | Blown Cellulose - Unfloored R30 | | | |
| | | DIA040 | Blown Cellulose - Unfloored R38 | | | |
| | | DIA043 | Blown Cellulose - Unfloored R50 | | | |
| | | DIA045 | Blown Fiberglass - Floored R11 | | SFH,2TO4,AMUB | Model attic insulation for units which must be modeled with NEAT. |
| | | DIA050 | Blown Fiberglass - Floored R19 | | | |
| | | DIA055 | Blown Fiberglass - Floored R30 | sq ft | | |
| | | DIA060 | Blown Fiberglass - Floored R38 | | | |
| | | DIA061 | Blown Fiberglass - Floored R50 | | | |
| | | DIA085 | Blown Fiberglass - Unfloored R11 | | | |
| | | DIA090 | Blown Fiberglass - Unfloored R19 | | | |
| | | DIA095 | Blown Fiberglass - Unfloored R30 | | | |
| | | DIA100 | Blown Fiberglass - Unfloored R38 | | | |
| | | DIA101 | Blown Fiberglass - Unfloored R50 | | | |
| | | DIA105 | Fiberglass Batt R11 | | | |
| | | DIA110 | Fiberglass Batt R19 | | SFH,MHT,2TO4,AMUB | |
| | | DIA115 | 2 Part Foam | | | |
| DIA120 | Attic Access | each | | | | |
| Floor Insulation | Insulate floors that define heating envelope to maximum structurally allowable. | DIFL | Floor Insulation | | | |
| | | DIFL005 | Blown Fiberglass - R11 | | | |
| | | DIFL010 | Blown Fiberglass - R19 | | SFH,2TO4,AMUB | |
| | | DIFL015 | Blown Fiberglass - R30 | | | |
| | | DIFL020 | Blown Fiberglass - R38 | sq ft | | |
| | | DIFL045 | Polystyrene Insulation Board R5 | | | |
| | | DIFL050 | Fiberglass Batt R11 | | SFH,MHT,2TO4,AMUB | Model floor insulation, based on heating envelop, for units which must be modeled with NEAT. |
| | | DIFL055 | Fiberglass Batt R19 | | | |
| | | DIFL060 | Polyisocyanurate Insulation Board R7 | | | |
| | | DIFO | Foundation Insulation | | | |
| | | DIFO005 | 2 Part Foam R10 | | | |
| | | DIFO010 | Fiberglass Batt R11 | sq ft | SFH,2TO4,AMUB | |
| | | DIFO015 | Fiberglass Batt R19 | | | |

WisWAP Line Items: 1 to 4 Unit Measures

| Measure | General Policy | Code | Description | Unit of Measure | Housing Types | Neat Modeling |
|---|--|-------------------------|--|-----------------|-------------------|--|
| Interior Foundation Treatments | Seal and Insulate sillbox area to R-19, or maximum structurally allowable, using appropriate material. Install vapor barrier | DIS | Sillbox Insulation | sq ft | SFH,2TO4,AMUB | Model boxsill & foundation insulation, based on heating envelop, for units which must be modeled with NEAT. |
| | | DIS005 | Fiberglass Batt R11 | | | |
| | | DIS010 | Fiberglass Batt R19 | | | |
| | | DIS015 | Polystyrene Insulation Board R10 | | | |
| | | DIS020 | 2 Part Foam R10 | | SFH,MHT,2TO4,AMUB | |
| Sidewall Insulation | Insulate cavities to R-13, or maximum structurally allowable. | DIW | Wall Insulation | sq ft | SFH,2TO4,AMUB | Model sidewall insulation, based on heating envelop, for units which must be modeled with NEAT. |
| | | DIW005 | Blown Cellulose - R13 | | | |
| | | DIW010 | Blown Cellulose - R19 | | | |
| | | DIW015 | Blown Fiberglass - R11 | | | |
| | | DIW020 | Blown Fiberglass - R19 | | | |
| | | DIW025 | Fiberglass Batt R11 | | | |
| | | DIW030 | Fiberglass Batt R19 | | | |
| Window Replacement | Replace windows as an Energy Conservation Measure if the measure has a SIR of \geq 1.0 when tested with the NEAT audit. | GWR | Window Replacement | sq ft | SFH,2TO4,AMUB | Model windows which meet protocol to determine ECM SIR. |
| | | GWR015 | Window Replacement U .35 | | | |
| Mechanical Systems Measures | | | | | | |
| Heating Systems: Tune and Clean. See specifications for other system types. | Natural Gas and LP Heating Systems, which will not be replaced, may receive a tune and clean based on inspection. Oil Heating Systems: Tune and clean the heating unit, unless it will be replaced. | JBM | Boiler Modifications | each | SFH,2TO4,AMUB | Model heating system work for units which must be modeled with NEAT. Order Tune & Clean, Vent Damps, IID, based on inspection and system requirements. Do not model with NEAT. |
| | | JBM005 | Automatic Fill Valve | | | |
| | | JBM010 | Compression Tank | | | |
| | | JBM015 | Electric Vent Damper | | | |
| | | JBM020 | Outdoor Reset | | | |
| | | JBM025 | Radiator New or Replacement | | | |
| | | JBM030 | Radiator Valves | | | |
| | | JBM035 | Backflow Preventer | | | |
| | | JBM040 | Modulating Aquastat | | | |
| | | JBM045 | Intermittent Ignition Device (IID) | | | |
| | | JBM055 | Zone Valves | | | |
| | | JBM060 | Distribution System Modifications | | | |
| | | JHSM | Heating System Modifications | | SFH,MHT,2TO4,AMUB | |
| | | JHSM005 | Clean and Tune | | | |
| | | JHSM010 | Disposable Filters | | | |
| | | JHSM011 | Cleanable Filters | | | |
| Programmable Thermostat | Install a programmable thermostat under the following conditions:the existing thermostat will be replaced and the occupant has both the desire and aptitude to program the thermostat. | JHSM015 | Setback Thermostat | each | SFH,MHT,2TO4,AMUB | Use WI protocols to determine programmable thermostat installation. |
| Distribution System | Evaluate system, test. Modify as needed. Seal major return and supply leaks. Insulate and seal ducts in unheated areas. | JHSM020 | Repair/Replace/Add Ductwork - First Floor | each | SFH,MHT,2TO4,AMUB | Seal and insulate distribution systems based on WI protocols. |
| | | JHSM025 | Repair/Replace/Add Ductwork - Second Floor | | SFH,2TO4,AMUB | |
| | | JHSM030 | Insulate Ducts | | SFH,MHT,2TO4,AMUB | |
| | | JHSM035 | Seal Ducts | | SFH,MHT,2TO4,AMUB | |

WisWAP Line Items: 1 to 4 Unit Measures

| Measure | General Policy | Code | Description | Unit of Measure | Housing Types | Neat Modeling |
|--|---|-------------------------|-------------------------------|-----------------|-------------------|--|
| Heating Systems-Boilers | Model all boilers for replacement that are greater than 10 years old or have a SSE of < 75. Model all boilers for replacement with NEAT Audit. Model both 90%+ and >80% AFUE gas boilers. Install boiler with the highest SIR. | JHSR | Heating System Replacement | each | SFH,2TO4,AMUB | Model all boilers for replacement with NEAT Audit. Model both 90%+ and >80% AFUE gas boilers. Install boiler with the highest SIR. |
| | | JHSR005 | Gas Boiler | | | |
| | | JHSR007 | Gas Boiler - ENERGY STAR | | | |
| | | JHSR035 | Oil Boiler | | | |
| Heating Systems Replacement-Forced Air | Natural Gas Forced Air Furnaces: Replace if existing atmospheric unit has a SSE <=75% and has < a 5 year life expectancy. Inspect units with SSE >75% and more than 5-year life expectancy. Replacement must be ENERGY STAR eligible. | JHSR010 | Gas Forced Air 90% | each | SFH,2TO4,AMUB | Model heating system replacements for units which must be modeled with NEAT. |
| | | JHSR020 | Gas Wall Furnace | | SFH,MHT,2TO4,AMUB | |
| | | JHSR040 | Oil Forced Air | | SFH,2TO4,AMUB | |
| Space Heaters | Replace units >10 years oldwith the highest efficiency unit available. f Inspect < than 10 years old for health and safety problems. | JHSR050 | Oil Wall Furnace | each | SFH,MHT,2TO4,AMUB | Model heating system replacements for units which must be modeled with NEAT. |
| Space Heaters: Heating Systems-Electric Conversion | Furnaces And Baseboard Heaters: Replaced when lifecycle savings is equal to or exceeds a SIR 1.0, when modeled on the Electric Heat Conversion Worksheet. | JHSR060 | Electric Conversion | each | SFH,MHT,2TO4,AMUB | Use WI Electric Baseboard worksheet to determine measure. |
| Water Heater Replacement | Electric Conversion. Replace an existing electric water heater with natural gas or LP water heater, based on protocol. | MWHC | Water Heater Conversion | each | SFH,2TO4,AMUB | Model water heater replacements for units which must be modeled with NEAT. |
| | | MWHC010 | Gas power vent from electric | | SFH,MHT,2TO4,AMUB | |
| | | MWHC030 | Tankless On Demand Gas | | SFH,2TO4,AMUB | |
| | | MWHC035 | Indirect Fired Water Heater | | SFH,2TO4,AMUB | |
| Baseload Measures | | | | | | |
| Domestic Hot Water Treatments | Insulate 6' of pipes from water heater. Reduce water heater temperature to 125 degrees, where feasible. Install showerheads & low restrictors. | MWHT | Hot Water Treatments | each | SFH,MHT,2TO4,AMUB | DO NOT USE NEAT TO GUIDE LOW COST WATER SAVING RETROFITS! Use WI Protocols. DO NOT USE NEAT TO GUIDE TANK INSULATION. Insulate to a minimum of R-10 if manufacturers allows additional tank insulation. |
| | | MWHT005 | Flow Restrictors | | | |
| | | MWHT010 | Pipe Insulation | | | |
| | | MWHT015 | Reduce Temperature | | | |
| | Insulate water heater tanks with <R10 existing insulation. | MWHT020 | Showerhead | | SFH,MHT,2TO4,AMUB | |
| | | MWHT025 | Tank insulation | | | |
| | | | | | | |
| Compact Fluorescent Lighting (CFLs) | Replace all incandescent light bulbs with ENERGY STAR qualified CFLs, where feasible. | PCFL | Lighting | each | SFH,MHT,2TO4,AMUB | Do not model CFL installation with NEAT. |
| | | PCFL005 | CFL Bulb | | | |
| | | PCFL010 | Halogen Torchiere Replacement | | | |
| | Replace all halogen torchieres with CFL torchieres. | PCFL015 | LED Exit Light | | 2TO4,AMUB | |
| | | PCFL020 | Exterior | | SFH,MHT,2TO4,AMUB | |
| | | PCFL025 | CFL 3-Way Bulb | | SFH,MHT,2TO4,AMUB | |

WisWAP Line Items: 1 to 4 Unit Measures

| Measure | General Policy | Code | Description | Unit of Measure | Housing Types | Neat Modeling | |
|----------------------------|---|---|---|-----------------|--|---|--|
| Refrigerator Replacement | Replace existing refrigerators manufactured prior to 1990, with properly sized ENERGY STAR eligible unit. De-manufacture and properly dispose of existing unit. Remove, de-manufacture and properly dispose of functional secondary refrigerators manufactured | URR URR005 | Refrigerator Replacement | each | SFH,MHT,2TO4,AMUB | Use NEAT to model refrigerator replacement. | |
| | | URR010 | Remove Additional Unit (include \$50 Incentive) | each | SFH,MHT,2TO4,AMUB | | |
| Freezer Replacement | Replace functioning freezers operating in conditioned or unintentionally conditioned space, which have a Power Factor less than .75 and are greater than 14 cubic feet, with a properly sized ENERGY STAR eligible chest-type, manual defrost freezer. De-manuf | VFR VFR005 | Freezer Replacement | each | SFH,MHT,2TO4,AMUB | Do not use NEAT to model freezers. | |
| Freezer Removal | Remove functioning freezers, in conditioned or unintentionally conditioned space Offer a \$50 incentive for removal. De-manufacture and properly dispose of freezer that is being removed. | VFR010 | Remove Additional Unit (include \$50 incentiv | each | SFH,MHT,2TO4,AMUB | Do not use NEAT to model freezers. | |
| Health and Safety Measures | | | | | | | |
| Hazard Elimination-General | Eliminate hazards that pose an imminent threat to the health and safety of occupants. | XHAC | Health and Safety Cooling | each | SFH,MHT,2TO4,AMUB | | |
| Air Conditioning | Install central or room air conditioning based on the health of the customer. Specific statement of conditions from medical professional required. Replacement must be ENERGY STAR eligible. | XHAC005 | Central A/C New or Replace | each | SFH,MHT,2TO4,AMUB | Do not use NEAT to model health & safety measures. Select measure from "Itemized Cost Tab". | |
| | | XHAC010 | Window A/C New or Replace | | | | |
| | | XHAC015 | A/C Repair | | | | |
| | | XHAC020 | Ceiling Fan New or Replace | | | | |
| Miscellaneous | | XHAL | Health and Safety Alarms | each | SFH,MHT,2TO4,AMUB | | |
| | | XHAL005 | CO Detector New or Replace | | | | |
| | | XHAL010 | Smoke Detector New or Replace | | | | |
| | | XHAL020 | Combo Smoke/CO Detector New or Rep | | | | |
| | | XHAP | Health and Safety Appliance | | SFH,2TO4,AMUB SFH,MHT,2TO4,AMUB SFH,2TO4,AMUB SFH,MHT,2TO4,AMUB | | |
| | | XHAP015 | Appliance Repair or Replace | | | | |
| | | XHAQ | Health and Safety Air Quality | | | | |
| | | XHAQ005 | Worst Case Draft Test | | | | |
| | | XHAQ007 | Chimney Liner | | | | |
| | | XHAQ025 | Dehumidifier New or Replace | | | | |
| XHAQ030 | Asbestos Removal | | | | | | |
| XHAQ035 | Other Remediation | | | | | | |
| XHAQ040 | Cook Stove Repair or Replace | | | | | | |

WisWAP Line Items: 1 to 4 Unit Measures

| Measure | General Policy | Code | Description | Unit of Measure | Housing Types | Neat Modeling |
|---|---|-------------------------|--------------------------------------|-----------------|-------------------|---|
| Health and Safety Measures Continued | | | | | | |
| Mechanical Ventilation | Install properly sized and balanced mechanical ventilation when needed to assure indoor air quality. | XHAR | Health and Safety Ventilation | each | SFH,MHT,2TO4,AMUB | Do not use NEAT to model health & safety measures. Select measure from "Itemized Cost Tab". |
| | | XHAR005 | Exhaust Ventilation | each | | |
| | | XHAR010 | Exhaust Ventilation with Makeup Air | each | | |
| Electrical | | XHAR015 | Heat or Energy Recovery Ventilator | each | SFH,MHT,2TO4,AMUB | |
| | | XHEL | Health and Safety Electrical | | | |
| | | XHEL015 | Upgrade or Repair Electric | each | | |
| Miscellaneous Heating System work | | XHHS | Health and Safety Heating System | | SFH,2TO4,AMUB | Model boilers with NEAT. If the SIR ≥ 1.0, install as ECM. If SIR is <1.0 install as a Heat & Safety measure. |
| | | XHHS005 | Boiler Replace | each | | |
| | | XHHS010 | Boiler Repair | each | | |
| | | XHHS015 | Boiler Radiators, Repair or Replace | each | | |
| | | XHHS020 | Furnace Replace | each | | |
| | | XHHS025 | Furnace Repair | each | | |
| | | XHHS030 | Ducts Repair or Replace | each | | |
| | | XHHS035 | Space Heater Replace | each | | |
| | | XHHS040 | Space Heater Repair | each | | |
| | | XHHS045 | Wood Replace | each | | |
| | | XHHS050 | Wood Repair | each | | |
| | | XHHS055 | Electric Replace | each | | |
| Water Heater Replacement | | XHHS060 | Electric Repair | each | SFH,MHT,2TO4,AMUB | |
| | | XHWW | Health and Safety Hot Water | | | |
| | | XHWW004 | Electric to Electric .94 | each | | |
| | | XHWW005 | Water Heater Replace | each | | |
| | | XHWW007 | Gas power vent from conventional gas | each | | |
| | | XHWW008 | Gas power vent from electric | each | | |
| Miscellaneous | | XHWW010 | Water Heater Repair | each | SFH,MHT,2TO4,AMUB | Do not use NEAT to model health & safety measures. Select measure from "Itemized Cost Tab". |
| | | XHWW015 | Plumbing Repair or Replace | each | | |
| | | XHSS | Health and Safety Structure | | | |
| | | XHSS005 | Chimney | each | | |
| | | XHSS010 | Floors | each | | |
| | | XHSS015 | Roof | each | | |
| | | XHSS020 | Walls | each | | |
| | | XHSS030 | Lead Paint Remediation | each | | |
| Window and Door Replacement | Replace deteriorated windows and doors, in dwellings built prior to 1930, occupied by households with service priority. | XHSS035 | Other Remediation | each | SFH,MHT,2TO4,AMUB | Health & Safety window and door replacement do not need to be modeled with NEAT. |
| | | XHSS040 | Door Replacement R9 | sq ft | | |
| | | XHSS045 | Window Replacement U .35 | sq ft | | |

WisWAP Line Items: 1 to 4 Unit Measures

| Measure | General Policy | Code | Description | Unit of Measure | Housing Types | Neat Modeling |
|-------------------------------|---|-------------------------|---|-----------------|-------------------|---|
| Repair | | | | | | |
| Repairs General | Repairs Necessary for the Installation of Weatherization Materials. | ZRAQ | Repair Air Quality | | | |
| | | ZRAQ005 | Dryer Venting | each | | |
| | | ZREL | Repair Electric Service | | SFH,MHT,2TO4,AMUB | |
| | | ZREL005 | Upgrade or Repair Electric Service | each | | |
| | | ZREL015 | Knob and Tube Replace Attic | each | SFH,2TO4,AMUB | |
| | | ZREL020 | Knob and Tube Replace Walls | each | | |
| | | ZRHS | Repair Heating System | | | |
| | | ZRHS030 | Thermostat Replacement - Not ENERGY ST, | each | | Not required to model with NEAT. May model with NEAT. |
| | | ZRHW | Repair Hot Water | | | |
| | | ZRHW005 | Water Heater Repair | each | | |
| | | ZRHW010 | Plumbing Repair or Replace | each | SFH,MHT,2TO4,AMUB | |
| | | ZRRS | Repair Structure | | | |
| | | ZRRS005 | Chimney | each | | |
| | | ZRRS010 | Floors | each | | |
| | | ZRRS015 | Roof | each | | |
| | | ZRRS020 | Walls | each | | |
| Replacement Windows and Doors | Replace deteriorated windows and doors that cannot be repaired, if the building has a cumulative SIR of > 1.0 when tested with the NEAT audit | ZRRS030 | Door Replacement R9 | sq ft | | |
| | | ZRRS035 | Window Replacement U .35 | sq ft | | |
| | | ZRRS040 | Other Repair | each | SFH,MHT,2TO4,AMUB | Must Model with NEAT. Model windows as ECM or Repair. Model doors as Repair. Select measure from "Itemized Cost Tab". Include in SIR. |
| | | ZRRS045 | Ventilation - Soffit/Roof/Gable | each | | |